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I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

Practitioners associated with the Customer Number:

26158

OR

Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used)

Name	Registration Number		Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

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OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City		State	Zip
Country			
Telephone		Email	

Assignee Name and Address:

NOVARTIS ANIMAL HEALTH US, INC.
3200 Northline Avenue, Suite 300
Greensboro, NC 27408

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assigned

Signature		Date	3/4/07
Name	Michael Kelly	Telephone	336-387-1008
Title	Chief Financial Officer		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Griffiths, et al.Application No./Patent No.: 10/521,103 Filed/Issue Date: February 14, 2005Entitled: ***HSP70 FROM ARTHROBACTER***Novartis Animal Health US, Inc.a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

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The document was recorded in the United States Patent and Trademark Office at
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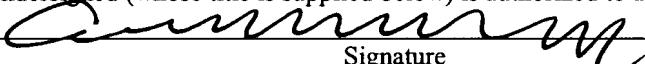
3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached. Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.


Nov. 1, 2007

Signature

Date

Carl B. Massey, Jr. (Reg. No. 44,224)

336.721.3681

Printed or Typed Name

Telephone Number

Attorney of Record

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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US (PCT) Case VA/H -32534A

ASSIGNMENT

I / We **Steven Gareth GRIFFITHS, 239 Weldon Street, Moncton, New Brunswick, E1C 5W8, Canada, citizen of Great Britain**
Rachael Jane RITCHIE, 618 Aberdeen St., Fredericton, New Brunswick, E3B 1S5, Canada, citizen of Canada
Nathalie C. SIMARD, 91 Piercy Crescent, Fredericton, New Brunswick, E3B 7G2, Canada, citizen of Canada

for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, do hereby sell and assign to **Novartis Animal Health US, Inc., a Delaware corporation, of 3200 Northline Avenue, Greensboro, North Carolina 27408, U.S.A.** its successors, assigns and legal representatives all my/our right, title and interest, in and for the United States of America, in and to the invention entitled:

Hsp70 from *Arthrobacter*

invented by me/us and described in the international application

No. PCT/EP03/07602 filed July 14, 2003

and all United States Letters Patent which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by the said **Novartis Animal Health US, Inc.** its successors, assigns or other legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me/us if this assignment and sale had not been made;

And I/we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the said *Novartis Animal Health US, Inc.*.

Signed on

Steven Gareth GRIFFITHS

27/1/5

Rachael Jane RITCHIE

Nathalie C. SIMARD

ASSIGNMENT

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And I/we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the said **Novartis Animal Health US, Inc.**.

Signed on

Steven Gareth GRIFFITHS

Rachael Jane RITCHIE

January 7, 2005

Nathalie C. SIMARD

ASSIGNMENT

I / We **Steven Gareth GRIFFITHS, 239 Weldon Street, Moncton, New Brunswick, E1C 5W8, Canada, citizen of Great Britain**
Rachael Jane RITCHIE, 618 Aberdeen St., Fredericton, New Brunswick, E3B 1S5, Canada, citizen of Canada
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Signed on

Steven Gareth GRIFFITHS

Rachael Jane RITCHIE

Nathalie C. SIMARD

4/01/2005